S
553.28
O1S
SEP 1968

HELVED WITH
PERIODICALS

Montana State Library
3 0864 1006 0104 9

MONTANA OIL AND GAS STATISTICAL BULLETIN

ADMINISTRATORS

NORMAN J. BEAUDRY, Exec. Secy.
P. O. BOX 217
HELENA, MONTANA 59601

JOHN H. RISKEN, Attorney
P. O. BOX 217
HELENA, MONTANA 59601

BILLY B. LANE, Geologist
1S POLY DRIVE
BILLINGS, MONTANA 59101

GORDON D. LANOUETTE,
Petroleum Engineer
1S POLY DRIVE
BILLINGS, MONTANA 59101

COMMISSIONERS

WINSTON L. COX, Chairman
1925 GRAND AVENUE
BILLINGS, MONTANA 59102

CLYDE BREWER, Vice-Chairman
P. O. BOX 294
ROUNDUP, MONTANA 59072

ALLEN ZIMMERMAN,
P. O. BOX 277
POPLAR, MONTANA 59255

E. G. BALSAM,
2300 PEARL
MILES CITY, MONTANA 59301

LYLE KASSEL,
142 THIRD SOUTH
SHELBY, MONTANA 59474

OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XVI, No. 9 — HELENA INDEPENDENT-RECORD HELENA, MONTANA — September, 1968

Production of crude oil and condensate from the oil and gas areas of Montana for the month of September 1968, averaged 136,550 barrels daily, a decrease of 6,331 barrels from the average August production of 142,881.

The nine refineries in the state processed 123,927 barrels of crude oil daily for the month of September, 1968, a decrease of 4,173 barrels from the 128,100 barrels processed daily during the months of August, 1968.

During September, 87 wells were completed. 12 oil, 5 gas and 70 dry holes.

During September, the commission issued 82 permits to drill new wells, a decrease of 30 from the 112 permits issued during August.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF SEPTEMBER, 1968

IN STORAGE SEPTEMBER 1st	
By Producers	425,849
By Transporters	1,353,977
By Refiners	817,375
TOTAL STORAGE	2,597,201
Produced in Montana During Month	4,096,499
Imported During Month	2,868,835
TOTALS	9,562,535
DISPOSITION:	
Refined in Montana	3,717,826
Exported	3,218,360
Used for Fuel or Lost	19,161
TOTAL	6,955,347
IN STORAGE SEPTEMBER 30TH	
By Producers	430,609
By Transporters	1,395,375
By Refiners	781,204
TOTAL STORAGE	2,607,188

NATURAL GAS WITHDRAWALS IN MONTANA

Month of September, 1968

Field	M. Cu. Ft.
Bears Den	0
Big Coulee	58,297
Bowdoin	77,931
Bowes	38,023
Cabin Creek	106,827
Cedar Creek	70,366
Cut Bank (Including Reagan)	479,843
Devon	0
Dry Creek	533
Elk Basin	95,846
Flat Coulee	4,747
Gold Butte	5,196
Golden Dome	0
Grandview	66,545
Hardin	3,717
Keith Block	230,760
Kevin Sunburst	47,751
Lake Basin	99,669
Middle Butte	4,229
Mt. Lilly	14,481
Pine	66,190
Plevna	3,256
Utopia	98,035
Whitlash	73,825
Miscellaneous	159,261
TOTAL	1,805,328

Total withdrawals for September, 1967 were 1,976,391

PRODUCERS REPORT—MONTH OF SEPTEMBER, 1968

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
3	Ash Creek	3	344	3,200	----	3,200	----	344
2	Bannatyne	2	1,081	200	----	200	----	1,081
----	Bascom	----	247	----	----	----	----	247
6	Bear's Den	7	2,269	1,006	----	822	----	2,453
74	Bell Creek	315	91,235	1,459,869	1,446,791	----	4,660	99,653
1	Benrud	1	393	950	950	----	----	393
1	Benrud East	1	487	7,514	7,575	----	----	426
1	Benrud Northeast	1	611	6,556	6,571	----	----	596
1	Berthelote	1	479	213	213	----	----	479
5	Big Wall	22	2,167	18,162	18,346	----	----	1,983
5	Blackfoot	7	1,097	2,701	939	1,003	----	1,856
4	Border	4	----	1,571	----	1,571	----	----
1	Bowes	60	2,958	13,884	13,145	----	----	3,697
1	Bradley	1	425	679	593	----	----	511
2	Brady	2	545	300	300	----	----	545
3	Brorson—Red River	3	3,428	28,328	----	27,200	1,206	3,350
1	Brush Mountain	1	601	6,270	----	6,275	----	596
2	Cabin Creek	100	----	290,253	290,253	----	----	----
17	Cat Creek	72	2,610	16,804	14,436	2,673	----	2,305
1	Clark's Fork	1	75	164	----	191	----	48
2	Conrad South	2	662	1,305	1,305	----	----	662
2	Coral Creek	37	574	67,109	67,273	----	----	410
1	Cupton	1	977	986	----	----	----	1,963
135	Cut Bank	649	73,310	313,802	315,296	203	759	70,854
2	Deer Creek	3	664	2,501	2,271	----	----	894
1	Delphia	1	541	292	----	422	----	411
----	Devil's Basin	----	671	----	----	----	----	671
1	Dry Creek	1	----	326	----	326	----	----
1	Dwyer	14	4,976	18,749	17,551	----	----	6,174
4	Elk Basin	64	2,285	217,004	216,841	----	----	2,448
5	Elk Basin Northwest	14	2,255	10,192	9,714	----	----	2,733
10	Fairview	10	13,053	87,369	----	89,294	----	11,128
2	Fertile Prairie	2	933	1,278	1,271	----	----	940
10	Flat Coulee	29	5,291	15,349	15,270	----	----	5,370
38	Flat Lake	56	7,365	68,624	69,416	----	----	6,573
1	Flat Lake South	1	489	1,311	1,236	----	----	564
2	Frannie	2	----	892	892	----	----	----
17	Fred & George Creek	37	5,059	71,540	72,180	----	58	4,361
1	Gage	1	520	295	----	----	----	815
4	Gas City	25	6,845	28,227	27,159	----	----	7,913
11	Glendive	15	2,895	34,708	29,205	5,422	----	2,976
24	Goose Lake	32	7,026	55,903	57,462	----	409	5,058
9	Graben Coulee	26	4,674	7,575	6,313	1,239	----	4,697
----	Grandview	----	528	----	----	----	----	528
----	Gypsy Basin	----	1,326	----	----	----	----	1,326
9	Hiawatha	9	5,433	26,998	27,207	----	----	5,224
1	Hibbard	1	579	193	----	----	----	772
4	Ivanhoe	9	2,270	8,777	9,137	----	----	1,910
10	Keg Coulee	25	4,763	21,342	20,599	----	----	5,506
2	Keg Coulee North	2	1,024	1,856	1,812	----	----	1,068
2	Kelley	5	880	15,277	15,147	----	----	1,010
94	Kevin Sunburst	554	15,630	32,336	29,606	1,581	415	16,364
8	Laird Creek	10	350	12,723	----	12,698	----	375
1	Little Beaver	29	----	28,694	28,694	----	----	----
2	Little Beaver East*	14	2,382	17,854	18,641	----	----	1,595
3	Lodge Grass	3	1,155	1,878	----	1,754	----	1,279
21	Lookout Butte	36	2,825	40,436	39,095	3,217	----	949
2	Mackay Dome	2	388	207	----	----	----	595
2	Mason Lake	2	357	1,938	1,766	----	----	529
2	Melstone	4	936	2,307	2,236	----	----	1,007
1	Mineral Bench	1	343	1,026	842	----	----	527
4	Miner's Coulee	5	102	999	----	740	----	361
11	Monarch	15	4,555	21,157	21,547	----	----	4,165
2	Mosser	2	----	267	----	267	----	----
6	Outlook	11	9,530	24,334	----	23,766	----	10,098
2	Outlook South	2	1,773	903	----	1,784	----	892
2	Outlook West	2	2,140	7,662	----	7,827	----	1,975
69	Pennel	118	9,131	136,647	136,935	----	----	8,843
4	Pine	121	19,067	331,457	330,239	----	----	20,285
1	Pole Creek	1	1,112	784	----	1,700	----	196
68	Pondera	245	7,704	26,407	25,166	----	----	8,945
4	Poplar	67	8,720	53,007	53,652	----	4	8,071
4	Poplar Northwest	4	1,911	1,634	1,290	----	----	2,255
1	Prairie Elk	1	1,043	556	----	816	----	783
4	Ragged Point	12	2,808	10,854	11,269	----	----	2,393
1	Rattlesnake Coulee	1	381	623	----	----	----	1,004
3	Reagan	46	1,362	20,336	20,706	----	563	429
1	Red Creek	26	----	23,782	23,370	412	----	----
1	Red Fox	1	443	7,930	7,977	----	----	396
1	Redstone	1	659	5,450	4,953	----	164	992
1	Repeat	1	393	1,351	----	1,560	----	184
3	Reserve	3	----	17,188	----	17,188	----	----
1	Richey	1	568	162	----	----	----	730
6	Richey Southwest	7	918	6,230	6,382	----	----	766
6	Sand Creek	8	2,742	12,431	13,748	----	----	1,425
----	Shotgun Creek	----	256	----	----	----	----	256
3	Sidney-Brorson	3	1,939	1,930	----	2,345	----	1,524
3	Smoke Creek	4	996	832	----	561	----	1,267
1	Snyder	3	310	250	----	250	----	310
7	Soap Creek	13	3,722	3,065	----	3,314	----	3,473
1	Spring Lake	2	2,670	3,078	----	3,310	----	2,438
1	Stensvad	21	3,341	19,462	19,229	----	----	3,574
26	Sumatra	89	11,359	68,567	69,009	----	49	10,868
5	Tule Creek	6	3,159	40,077	----	39,965	----	3,271
2	Tule Creek East	2	1,083	16,944	----	17,223	----	804
2	Tule Creek South	3	1,091	4,301	----	4,261	2	1,129
2	Vida	2	989	1,504	1,729	----	----	764
4	Volt	6	1,998	17,642	17,387	----	----	2,253
2	Weed Creek	3	720	9,794	9,142	----	32	1,340
5	Weldon	13	1,572	57,864	58,008	----	----	1,428
16	Whitlash	32	8,585	15,573	16,103	----	----	8,055
2	Whitlash West	2	553	600	600	----	----	553
3	Wills Creek South	3	204	5,118	5,201	----	----	121
6	Wolf Springs	9	4,636	6,078	6,282	----	----	4,432
3	Woodrow	3	426	2,910	3,048	----	----	288
1	Wildcat, Elaine Cty.	1	272	708	----	822	----	158
1	Wildcat, Carbon Cty.	1	810	104	----	----	----	914
1	Wildcat, Daniels Cty.	1	119	274	----	----	----	393
2	Wildcat, Glacier Cty.	4	542	1,439	996	----	3	982
2	Wildcat, Richland Cty.	2	2,688	15,529	----	14,899	----	3,318
1	Wildcat, Sheridan Cty.	1	764	443	----	----	3	1,204
1	Wildcat, Stillwater Cty.	1	697	865	----	----	----	1,562
3	Wildcat, Toole Cty.	3	----	11,594	----	11,594	----	----
390	Totals	3,266	425,849	4,096,499	3,769,517	313,895	8,327	430,609

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1967	34,959,026	96,778	34,845,434	95,466
First Quarter, 1968	10,606,010	116,549	10,556,409	116,004
Second Quarter, 1968	12,517,926	137,559	12,520,339	137,586
July, 1968	4,479,873	144,512	4,478,093	144,454
August, 1968	4,429,321	142,881	4,436,177	143,102
September, 1968	4,096,499	136,550	4,083,412	136,114

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage‡	Total Oil In Storage‡
December, 1967	423,176	1,063,477	632,990	2,119,643
March, 1968	457,799	1,206,686	841,174	2,505,659
June, 1968	442,059	1,477,769	1,023,508	2,943,336
July, 1968	438,801	1,345,993	841,326	2,626,120
August, 1968	425,849	1,353,977	817,375	2,597,201
September, 1968	430,609	1,395,375	781,204	2,607,188

*Montana Oil Only
‡Includes Wyoming Oil

TRANSPORTERS REPORT—MONTH OF SEPTEMBER, 1968

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			3,200				3,200		
BANNATYNE—Truck			200				200		
BEAR'S DEN—Truck			822					822	
BELL CREEK—Pipelines		1,446,791					870,409	576,382	
BIG WALL—									
Continental Pipeline Co.		18,346				18,346			
BLACKFOOT—									
Camerland Cardinal Corp.			1,003					1,003	
Union Oil Co.		939				939			
		939	1,003			939		1,003	
BORDER—Truck			1,571				1,571		
BOWES—Texaco		13,145				13,145			
BRORSON-RED RIVER—									
Rock Island Oil & Ref. Co.			27,200				27,200		
BRUSH MOUNTAIN—									
Sinclair Ref. Co.			6,275				6,275		
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	327,810	719,285	11,015	1,360,428			2,112,275		306,263
Shell Pipeline Co.	3,287	268,070			215			266,853	4,289
	331,097	987,355	11,015	1,360,428	215		2,112,275	266,853	310,552
CAT CREEK—									
Continental Pipeline Co.		14,436				14,436			
Truck			2,673			2,673			
		14,436	2,673			17,109			
CLARK'S FORK—Truck			191				191		
CUT BANK—									
Continental Pipeline Co.			16,873	1,092,896				1,109,769	
Phillips Petroleum Co.	61,908	41,628		70,150	(2,798)	112,155			64,329
Texas Pipeline Co.	36,212	121,386		28,233	(241)			152,117	33,955
Union Oil Co.	111,709	65,268		36,642	(639)	112,217			102,041
Western Oil Trans. Co.		39,857						39,857	
Western Oil Trans. (Moulton)		44,055						44,055	
	209,829	312,194	16,873	1,227,921	(3,678)	224,372		1,345,798	200,325
DELPHIA—Truck			422			422			
DRY CREEK—Truck			326			326			
DWYER—Portal Pipeline Co.		17,311					17,311		
ELK BASIN & ELK BASIN NORTHWEST—									
Marathon Pipeline Co.		225,594				225,594			
FAIRVIEW—Truck			89,294				45,368	43,926	
FLAT COULEE—									
Camerland Cardinal Corp.		12,823				10,500		2,323	
FLAT LAKE & FLAT LAKE SOUTH—									
Portal Pipeline Co.		66,006					66,006		
FRANNIE—Interstate Pipeline Co.		892					892		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	11,294	68,540				73,555		670	5,609
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	10,311	37,937			258			38,185	9,805
GOOSE LAKE—									
Portal Pipeline Co.		56,830					56,830		
HIAWATHA—									
Continental Pipeline Co.		19,820					19,820		
IVANHOE—									
Continental Pipeline Co.		9,137				9,137			
KEG COULEE & KEG COULEE NORTH—									
Continental Pipeline Co.		21,678				18,101	3,577		
KELLEY—									
Continental Pipeline Co.		15,150				15,150			
KEVIN SUNBURST—									
Big West Oil Co.	4,541	16,345				16,877			4,009
Homestake Oil & Gas Co.	1,118	3,473							4,591
Texas Pipeline Co.	6,517	11,470			(473)			11,436	7,024
	12,176	31,288			(473)	16,877		11,436	15,624
LODGE GRASS—Truck			1,754			1,754			
MASON LAKE—									
Continental Pipeline Co.		1,401				1,401			
MELSTONE—									
Continental Pipeline Co.		2,237				2,237			
MOSSER—Truck			267				267		
OUTLOOK & OUTLOOK WEST—									
Rock Island Oil & Ref. Co.			33,377				33,377		
POLE CREEK—Truck			1,700				1,700		
PONDERA—Phillips Petr. Co.	45,838	27,701		112,155	281	145,600			39,813
POPLAR, BENRUD, BENRUD EAST, OUTLOOK, OUTLOOK SOUTH, OUTLOOK WEST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT									
East Poplar Gathering System	17,272	136,530			394			129,247‡	24,161
RAGGED POINT—									
Continental Pipeline Co.		9,324				8,472	852		
RED CREEK—									
Western Oil Transportation Co.		28,161						28,161	
RESERVE—Truck			17,188				17,188		
SIDNEY-BRORSON—Truck			2,345					2,345	
SMOKE CREEK—Truck			561				561		
SPRING LAKE—									
Rock Island Oil & Ref. Co.			3,310				3,310		
SNYDER—Truck			250			250			
SOAP CREEK—Truck			3,314				3,314		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	711,843	76,194		475,891	5,762	49,577		422,134	786,455
TULE CREEK—									
Tesero Petr. Corp.	4,317		61,449			62,735			3,031
WEED CREEK—									
Continental Pipeline Co.		9,142				9,142			
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		19,188				15,178		4,010	
WOLF SPRINGS—									
Continental Pipeline Co.		6,282				6,282			
WILDCAT WELLS—Truck			27,315				27,315		
TOTALS	1,353,977	3,692,372	313,895	3,176,395	2,759	946,201	3,319,009	2,873,295	1,395,375

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

‡Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF SEPTEMBER, 1968

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall		18,346								18,346
Bowes			14,157							14,157
Cat Creek		11,919				5,190				17,109
Cut Bank	32,860						99,270		103,271	235,401
Delphia						899				899
Dry Creek						1				1
Elk Basin		93,313		62,458	77,907					233,678
Flat Coulee									10,500	10,500
Fred & George Creek	64,725									64,725
Gage & Gage S.W.						663				663
Hibbard						426				426
Ivanhoe		9,137								9,137
Keg Coulee		1,812		16,289						18,101
Kelley					15,150					15,150
Kevin Sunburst	16,877									16,877
Lodge Grass		1,754								1,754
Mason Lake		1,401								1,401
Melstone				2,237						2,237
Pondera							28,649			28,649
Ragged Point				8,472						8,472
Sand Creek						208				208
Snyder		250								250
Sumatra & Stensvad		14,350		20,905	14,322					49,577
Tule Creek								70,671		70,671
Weed Creek					9,142					9,142
Whitlash							15,178			15,178
Wolf Springs					6,282					6,282
Total Montana Oil	114,462	152,282	14,157	110,361	122,803	7,387	143,097	70,671	113,771	848,991
Canadian Oil Imported		1,076,387								1,076,387
Wyoming Oil Imported		113,556		584,693	1,094,199					1,792,448
Total Montana, Canadian, and Wyoming Oil	114,462	1,342,225	14,157	695,054	1,217,002	7,387	143,097	70,671	113,771	3,717,826

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1967	29,156	13,866	58,527	101,549
September, 1967	27,979	12,216	69,461	109,656
September, 1968	28,300	35,879	59,748	123,927

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1967	28.71%	13.65%	57.64%
September, 1967	25.51%	11.15%	63.34%
September, 1968	22.83%	28.96%	48.21%